

19980319.ba v01_n975.bam.980319 v01_n976.bam.980319

>From ???@??? Fri Mar 20 02:38:08 1998
Message-Id: <199803191448.IAA16112@sco.theporch.com>
Date: Thu, 19 Mar 1998 08:48:39 CST
Subject: BOATANCHORS digest 1975

BOATANCHORS Digest 1975

Topics covered in this issue include:

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by "Manuel W4SSB" <mmaseda@gte.net>
- 2) F.S.: TR-4C, RV-4C, AC-4
by n4bno@juno.com (James R Bridgers)
- 3) FS: NIB Eimac 4CX250B (Sealed) and Amperex AX9909
by Hal Waite <halwaite@sprintmail.com>
- 4) Hammarlund and Dial Envy
by Scott Robinson <spr@earthlink.net>
- 5) Beer Can Verticle/ the last
by "Allan D. Fritsche" <fritsche@email.msn.com>
- 6) Ripoff Update
by gpewitt@execpc.com
- 7) Re: Hertz
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- 8) Dial Envy
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- 11) Re: Aluminum TCS cases
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- 13) Re: Aluminum TCS cases
by Ho4bart <Ho4bart@aol.com>
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by Brian.Harris@sv.sc.philips.com (Brian Harris)
- 15) Re: Beer Can Verticle
by Edward Zeranski <ejz@nosc.mil>
- 16) Re: Aluminum TCS cases
by Edward Zeranski <ejz@nosc.mil>
- 17) Re: Where to buy Adaptor?
by "Arden Allen" <gumbear@pacbell.net>
- 18) Re: Hertz hurts
by "Arden Allen" <gumbear@pacbell.net>
- 19) Re: Best Hammarlund?

by Henry van Cleef <vancleef@netcom.com>
20) little bitty feet
by gds@digitalexp.com (Reynolds, Jim)
21) Re: little bitty feet
by "Arden Allen" <gumbear@pacbell.net>
22) Re:Headphones
by "Steve" <scb@mail.internettport.net>
23) FS: EFJ Viking Challenger
by Don Reaves <dr@cei.net>
24) Re: Hertz
by "Ragnar Otterstad" <otterstad@inet.uni2.dk>
25) FS: EFJ Viking Challenger (addendum)
by Don Reaves <dr@cei.net>
26) Adaptor Problem
by jkh@lexis-nexis.com (John Heck)
27) Re: little bitty feet
by John Dilks <oldradio@worldnet.att.net>
28) Re: FS: EFJ Viking Challenger (addendum)
by John Dilks <oldradio@worldnet.att.net>
29) Re: Hertz
by John Dilks <oldradio@worldnet.att.net>

Date: Wed, 18 Mar 1998 17:40:58 -0500
From: "Manuel W4SSB" <mmaseda@gte.net>
To: "Old Tube Radios" <boatanchors@theporch.com>
Subject: WTB: Millen 90921 manual
Message-ID: <005201bd52be\$eca8ef00\$f7ebffd0@default>

This is a multi-part message in MIME format.

-----=_NextPart_000_004F_01BD5295.02ADEF00
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

I need a manual for a Millen 90921 scope amplifier.

Manuel W4SSB

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charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

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scope=20

amplifier.</DIV>

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<DIV>Manuel </DIV> =

W4SSB</DIV></BODY></HTML>

-----=_NextPart_000_004F_01BD5295.02ADEF00--

Date: Wed, 18 Mar 1998 18:15:04 EST

From: n4bno@juno.com (James R Bridgers)

To: listserv@fablotz.min.net

Cc: boatanchors@sco.theporch.com

Subject: F.S.: TR-4C, RV-4C, AC-4

Message-ID: <19980318.181528.9982.1.n4bno@juno.com>

Greetings,

I have for sale a TR-4C with RV-4C and AC-4.

TR-4C has a serial number of 42359. It is just back from Drake for some repairs and alignment. So electrically it is in very good condition. The cabinet has some scuffs but has not been repainted. The front panel has some wear around the on/off volume control and some dings on the aluminum strip between the meters. I would say that appearance wise, it would be good.

The RV-4C is in good electrical condition also. The cabinet does not appear to have been repainted and it too has some scuff marks. The front panel is in good shape also there is some scratches around the screws in the corners of the panel but other wise the appearance is good.

The AC-4 is also in good shape. The unit runs cool even after a few hours of use.

The reason I am selling is that I have accumulated more than I can care for and don't like to see these units sitting around not being used.

I am asking \$ 375 plus some help in the shipping. I plan to ship this

outfit in three boxes to minimize the possibility of damage.

If you are interested contact via email at: n4bno@juno.com or on the phone at:

919-291-2916.

Thank you.

James R. Bridgers

Date: Wed, 18 Mar 1998 15:58:51 -0800
From: Hal Waite <halwaite@sprintmail.com>
Cc: Boatanchors <boatanchors@theporch.com>
Subject: FS: NIB Eimac 4CX250B (Sealed) and Amperex AX9909
Message-ID: <35105FBB.48C4@sprintmail.com>

I have two of the Eimac 4X250B's in sealed pouches and the original box (\$55 each + shipping) and one Amperex AX9909 (\$70 + shipping) new in the original box. Thanks.

73, Hal K3AB/7 Las Vegas

Date: Wed, 18 Mar 1998 16:14:57 -0800
From: Scott Robinson <spr@earthlink.net>
To: boatanchors@theporch.com
Subject: Hammarlund and Dial Envy
Message-ID: <35106381.731F5F2E@earthlink.net>

A. B. Bonds wrote:

" To top this off, each band is individually backlit according to the position of the bandswitch. Zowie, Captain Midnight!"

Well, my 1937 Zenith 12 tube 12U159 console does the same and each band is a different color to boot! I do like that feature...and the bulls-eye tuning meter (not eye tube).

It may be wood but lifting it leaves no doubt that it's a BA.

--

Scott Robinson
spr@earthlink.net

Junque is GOOD for you!

Date: Wed, 18 Mar 1998 18:53:38 -0600
From: "Allan D. Fritsche" <fritsche@email.msn.com>
To: <boatanchors@theporch.com>
Subject: Beer Can Verticle/ the last
Message-ID: <06d074453001338UPIMSSMTPUSR03@email.msn.com>

Hello Gang, I am willing to be apart of a club project to erect a 1/4 wave beer can verticle for 160 meters...Uhm, lets see how many cans needed?

Of course I would only drink and provide enought cans for a choke balun..

BTW, I have that article somewhere... ?

Your friend Al
Guy that can liquid solder aluminum beer cans together...
KD5CML

Date: Wed, 18 Mar 98 19:54:21 PST
From: gpewitt@execpc.com
To: boatanchors@listserv.tempe.gov, boatanchors@theporch.com
Subject: Ripoff Update
Message-ID: <Chameleon.980318202045.gpewitt@execpc.com>

I was simply amazed at the response I got from my posting. Numerous people went to the trouble of looking up information and sent me Mr. Lessa's correct phone number and address. I also received many supportive messages and good advice. There was not one negative reply. I have trouble expressing my gratitude for such kindness. Mr. Lessa has responded at last with a tracking number. He has expressed a wish to see the messages from others who informed me of their dis-satisfaction in their own dealings with him. I would never do that without permission. If any of those who sent me such messages are willing to have them forwarded to Mr. Lessa please let me know. None will be sent without your permission. I tried to thank everyone personally but if I missed anyone please accept my thanks. This is the most wonderful group of people I have ever been associated with. My very best wishes to you all. In order to keep this in boatanchor context I would also like to first complement

a couple of people (of many)
who I have had very -nice- experiences with lately. Robert Ross
sold me a Johnson Signal Sentry which was -far- nicer
than I ever expected. Truly mint. Shipped promptly,
packed well, and under priced. Thanks Robert. John
Vercillino shipped me a T150 -parts rig- which is way too nice to scrap out. He
shipped without payment, on trust. Thanks John.
These are the kind of deals that have spoiled me for
other forms of commerce. The bad deals are quite rare
and the good people on this and other lists more than make up for it. I am
definitely going to keep dealing here.
Now for the ba context, does anyone have a meter for a
Knight T-150? Thanks Gary

Name: Gary Pewitt N9ZSV/KT
6120 W. Calumet Rd. Apt 204
Milwaukee, WI 53223
414 355 8147 Home 414 297 4307 Work
E-mail: gpewitt@execpc.com
Date: 03/18/98
Time: 19:54:21

Date: Wed, 18 Mar 1998 16:35:59 -1000
From: Jeffrey Herman <jeffreyh@hawaii.edu>
To: Richard Loken <richardlo@devax.admin.athabasca.ca>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Hertz
Message-ID: <Pine.GS0.3.95q.980318163101.19366B-100000@uhunix5>

Gad, it was (I believe) 1962 - my new issue of Popular Electronics
had just arrived, and I was leaving for grade school - I had only
enough time to glance at the cover - something about CPS now being
called Hertz. (Wonder why particular things like that remain in one's
memory?)

Can someone confirm that year?

Jeff KH2PZ

Date: Wed, 18 Mar 1998 22:22:01 EST
From: Cosmo224 <Cosmo224@aol.com>
To: boatanchors@theporch.com
Subject: Dial Envy
Message-ID: <5d6ae19a.35108f5b@aol.com>

Greetings all

As the thread moves away from Hammarlund pro/con to neat dials, I still am impressed with the logging configuration on my 30's era Bush (UK) table radio. This rig has all the countries on two vertical slide rule dials and, in the center, a round display with two circular tracks of lights with alpha and number scale. As you tune, the lights in the two tracks 'rotate' to give the logging scale. i.e. A1, A2...B1, etc. The first digital readout, perhaps?

Also, kinda interesting are the tape spool frequency read outs on the earlier Watkins Johnson/CEI and ACL receivers.

73 de AA9IL
Mike

Date: Wed, 18 Mar 1998 19:37:38 -0800
From: "larry" <rau@wco.com>
To: "boatanchors" <boatanchors@theporch.com>
Subject: 2 number tubes sold 2 803's left
Message-ID: <199803190342.TAA10997@shell.wco.com>

The lot of tested 2 number tubes was sold tonight to a Ba member.

there are 2 803's left... one ceramic based with USN markings. and one JAN tube with bakelite base.

thanks gang

Larry W6WUH

Date: Wed, 18 Mar 1998 21:03:34 -0700 (MST)
From: Henry van Cleef <vancleef@netcom.com>
To: jeffreyh@hawaii.edu
Cc: boatanchors@theporch.com
Subject: Re: Hertz
Message-ID: <199803190403.UAA14214@netcom2.netcom.com>

As Jeffrey Herman discourses

>

> Gad, it was (I believe) 1962 - my new issue of Popular Electronics
> had just arrived, and I was leaving for grade school - I had only
> enough time to glance at the cover - something about CPS now being
> called Hertz. (Wonder why particular things like that remain in one's
> memory?)

>

> Can someone confirm that year?

>

"Cycles per second" in the US were called "hertz" in Europe back in
the 1940's, and probably before that. "Picofarads" were current in
Europe in 1956 that I know of, although not in the US much before
1960-61.

The Tek 1959 catalog refers to "millimicroseconds" and
"micro-microfarads" as well as "megacycles." I recall that "pico-"
and "nano-" and "gigacycles" were introduced at Tek in the early
sixties. Someone who has an early type 82 (the kind that has the
AC-DC switch concentric with the BNC) can look and tells us whether it
says "uuf" or "pf." I think this change in letter series came about
the same time as the change from UHF to BNC connectors. Stan may
remember better than I, but I think that was late 1962 or early 1963.
The "53/54" prefix was dropped off letter series plugins in 1959, and
I have several without the prefix but with UHF connectors that say
"uuf" on the panel.

My memory may play tricks, but my distinct recollection is that
"hertz" came into use after I left Tektronix, which would place it
between 1966 and probably 1970. It was definitely some years after we
started using picofarads instead of micro-microfarads. However, I
think the radio-TV shop people stuck with the older usages longer. I
seem to recall a discussion with one of them about a "bad condenser"
in 1966 or so---I recall talking with an old-timer at work, and how
only automobiles had "condensers" any more---electronic equipment now
had "capacitors."

--

=====
Hank van Cleef
=====

Date: Wed, 18 Mar 1998 23:24:02 -0500
From: Tom Clarke <fclarke@erols.com>

To: boatanchors@theporch.com
Subject: Re: Aluminum TCS cases
Message-ID: <35109DE2.487E@erols.com>

> On my ship, MSC-195, we even had a coil
> around the food locker in the galley where the "tin cans" were
> stowed. The radio room also had an SRT-14 transmitter and
> SRR-13 (later replaced by R-390 and then R-1051s) in addition
> to the TCS rig and TED/RED UHF gear.

---i don't recall that any of these other radios were provided with
aluminum cabinets.
hue

I didn't put that too clearly, I only recall the A1 case on the TCS, the
other rigs were standard "heavy iron" stuff with no additional care
towards making them non magnetic or lightweight!

tom

Date: Wed, 18 Mar 1998 22:31:28 -0600
From: "William B. Ross" <billross@txdirect.net>
To: vancleef@netcom.com
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Hertz
Message-ID: <35109FA0.E1421E6D@txdirect.net>

I had just returned from Korea in 1964 and operated until July 1965 at
Ft. Dix, NJ. All frequency references were in Kilo - Mega cycles. Then
I left for Vietnam. When I finally got back on the air from Tokyo in
late 1967, all references to Frequency in ham publications were in
--Hertz. Very disorienting.

I was told that this change was made to align the US with the rest
of the world and initiate a term that meant the more completely correct
"cycles per second" which most people had dropped from common usage. I
eventually decided it was just another example of the Democrats zeal at
regulating another thing that they knew nothing about.

Bill Ross K5LLK

Date: Wed, 18 Mar 1998 23:34:20 EST
From: Ho4bart <Ho4bart@aol.com>
To: boatanchors@theporch.com

Subject: Re: Aluminum TCS cases
Message-ID: <31ae9323.3510a04e@aol.com>

In a message dated 98-03-18 23:25:29 EST, fclarke@erols.com writes:

> I didn't put that too clearly, I only recall the Al case on the TCS, the
> other rigs were standard "heavy iron" stuff with no additional care
> towards making them non magnetic or lightweight!

---so maybe this was a project that didn't pan out & was dropped
before too long?
hue

Date: Wed, 18 Mar 1998 23:03:13 -0800
From: Brian.Harris@sv.sc.philips.com (Brian Harris)
To: boatanchors@theporch.com
Subject: Hertz hurts
Message-ID: <000476F2.1914@svlima.sv.sc.philips.com>

Perhaps we should consider reverting to the way it was. There is justification you know. Just imagine how difficult it would be to solve/reduce equations and perform unit conversions if we didn't have terms like kilowatt-hours, pF per foot and furlongs per fortnight.

Now let me get back to working EuroDX on 7010 KILOCYCLES.

Brian

Date: Wed, 18 Mar 1998 21:10:05 -0800
From: Edward Zeranski <ejz@nosc.mil>
To: fritsche@email.msn.com
Cc: boatanchors@theporch.com
Subject: Re: Beer Can Verticle
Message-ID: <3.0.1.32.19980318211005.006fb3c0@marlin.nosc.mil>

At 06:53 PM 3/18/98 -0600, you wrote:

>Hello Gang, I am willing to be apart of a club project to erect a 1/4 wave
>beer can verticle for 160 meters...Uhm, lets see how many cans needed?
>

Aluminum rod is out there too! Looks like the swill-tenna could still be a

reality.

Date: Wed, 18 Mar 1998 21:04:07 -0800
From: Edward Zeranski <ejz@nosc.mil>
To: fclarke@erols.com
Cc: boatanchors@theporch.com
Subject: Re: Aluminum TCS cases
Message-ID: <3.0.1.32.19980318210407.0069f178@marlin.nosc.mil>

TED/RED UHF gear.
>Talk about a dog of a rig, the flashing light and semaphore generally
>outdistanced the UHF range!
>
>Tom/W4OKW
>
>
> I worked a ton of TED/RED (otherwise known as URR-#35) hooked to TS-150 or
AS 390 antennas and did just fine for surface-air comms. Lots of folk did
not know how to set up circuits based on freq and range needs. After the
TED/RED came the URC-9/SRC-20/21 series, also 224-399.9 Mc. Along about the
same time we were using TCS sets later followed by WRC-1s. WRCs had more
guts but radio ops would run the max 100 w when 2-5 w would do. Hence the
evaluation of the equipment was foul because of habits not tech
capabilities of the radio. The same stuff happened with various secure
voice equipments at that time.

Anyway the TED, 100+ lbs with two 4X150s in parallel and only stressed to
20w was way more than reliable for SHORT RANGE AM UHF comms. You had to be
careful with the URR 35 not to tweak it so tight it had good sensitivity
on CW but no bandpass. There was a little probe to load the IF when you
aligned the set. Back then what was used was a URM-25 and what was really
an HP-608.

Just a note but the modulator in the TED could mod the 4X150s even when
the current limiting resistor was shorted to let the '150s suck juice. But
nobody ever did that. Oh, the TCS reference was for HF not UHF circuits
but they were contemporaries working the same evil deeds.

Date: Wed, 18 Mar 1998 21:37:19 -0800
From: "Arden Allen" <gumbear@pacbell.net>
To: "Old Tube Radios" <boatanchors@theporch.com>, <jkh@lexis-nexis.com>

Subject: Re: Where to buy Adaptor?

Message-ID: <199803190535.VAA06413@mail-gw2.pacbell.net>

John has a familiar to many of us problem;

> I need to adapt a male, 1 wire, microphone connector to a female BNC connector. A lot of > my test gear has this mike connector for probe connections, etc, and I have a bunch of BNC > probes, leads, etc., made up for other stuff.

They're two ways to tackle this problem and they both involve using the UG-1094 type of BNC connector. My first choice is to replace the mike connectors on the panel with BNC's. The hole, 3/8 inch dia., is the same for both so you can reverse the mod. The second choice, which I abandoned, is to solder UG-1094's to the back of mike connectors. You need to use BNC's with teflon inserts, the ones with polysulfone or cheap crap don't like the heat. After making adapters you will find that you still have an unreliable connection where the mike connectors mate. Those were a lousy design, never did like 'em.

PS; I like to think that BNC stands for Brand New Connector!

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Date: Wed, 18 Mar 1998 22:01:48 -0800
From: "Arden Allen" <gumbear@pacbell.net>
To: "Old Tube Radios" <boatanchors@theporch.com>
Subject: Re: Hertz hurts
Message-ID: <199803190600.WAA14532@mail-gw2.pacbell.net>

I guess you're not familiar with Heterodynes/Hertz. Only in the AM window though.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Date: Wed, 18 Mar 1998 23:13:16 -0700 (MST)
From: Henry van Cleef <vancleef@netcom.com>
To: boatanchors@theporch.com
Subject: Re: Best Hammarlund?
Message-ID: <199803190613.WAA06628@netcom5.netcom.com>

As Brian Harris discourses

>

> It's been kinda quiet lately, so.....

>

> The best Hammarlund is most any National which has had its emblem covered with a
> piece of masking tape that says Hammarlund.

>

Comments like this are rather patently absurd.

Hammarlund did succeed in building the SP-series, of which the SP-200 and 600 seem to be best-known and best-liked. And the "big HQ" sets (120, 129X 140 150 160 180) were good mid-price radios. The low end? Well, I've got an HQ-145C on my bench that seems to me to be rather laughable in its layout. Haven't got it working yet (I am getting together a set of coils for it), but I don't expect miracles out of the thing.

I had an HQ-150 for a while (Ben Hall has it now) that was a respectable radio. I also have an RME-45 that I like better, which is why Ben has the 150 and I have the RME. Does that make the RME a "good radio" or a "good seller" when it was new? My 45 is completely rebuilt, and not entirely the radio that RME built in 1945, so it's not a radio a ham could have bought off the shelf in the 40's.

National built some very good radios. The HRO was a long-lasting design, rather simple as fancy radios go. The bandswitching NC-100 and 200 series are no slouches. But let's not forget that National built some of the more bizarre offerings, and some very cheap radios, too. Hammarlund, so far as I know, never built an AA-5, but National built several, both on a huge chassis and on a little one (SW-54). And I have here waiting some attention, their "AA-11," an NC-46, which along with the predecessor NC-44 and 45, were pricey radios to build for what they could offer in performance. One plus about most National radios is that they had coils out of their own shop, while the others subcontracted their coil work.

Then there's the brand everybody loves to bash (now)---Hallicrafters. But Hallicrafters did put some very solid radios on the market---the SX-28, S-27/36 in particular, and the (not common) DD-1 aren't "built to a price" designs.

In the forties and fifties, people bought two dials. Arguably, the RME-84 and 45 were better radios than the S-40 and HQ-129X for the same prices. Did they sell? No, not in anything like the quantities the competition sold---or even the earlier 2-dial RME-69 sold. I notice a lot of hams who grew up in the 50's talking about saving their paper money to buy an S-40. The S-40B I have here has those miniature Sickles-type IF's that everybody's bashing in Hammarlund. Unless you wound your own---or bought Millen or Meissner's better transformers, you got the miniatures for a price. I wonder if the youngster who saved up his paper money would have paid \$20 extra for

Millen IF's. When I worked for them, I did coil work virtually all of the time, and we had a line of "miniature IF's" that blew smoke around the coils I've just rung out on my Q-meter. Who bought them, who used them in production? Yes, with 7-pin tubes and miniature IF's, one could package a nice small receiver with tons of performance that could have sold in the mid-price range. But was small packaging clearly the way to go in 1956? Not that I remember. Sure, there's a lot of air in a radio that is as big (physically) as an RME-69 that was build in the late fifties. But there was a market for that, too.

Chaq'un a son gout. If you want to do Hammarlunds, they made some good radios. If you want to do Nationals, they made some good radios. Even Hallicrafters made some good radios. And most of RME's offerings in the pre-Electro-Voice days were good radios, so you can do RME's.

If you're a real glutton for punishment, you can do your own radio. Buy a chassis, punch some holes, put in some tube sockets, buy some good IF's and wind some good coils on big forms and have at it. I don't think the youngsters saving their paper money were up to this sort of thing forty years ago, and I suspect a lot of people aren't up to this now (and with price and availability, the real experimenting would be with transistors and IC's today, anyway).

--

=====
Hank van Cleef
=====

Date: Thu, 19 Mar 1998 00:25:16 -0600
From: gds@digitalexp.com (Reynolds, Jim)
To: "Boat Anchors" <BOATANCHORS@theporch.com>
Subject: little bitty feet
Message-ID: <19980319063425250.AAA190@gds>

This is a multi-part message in MIME format.

-----=_NextPart_000_0005_01BD52CD.7DE86F00
Content-Type: text/plain;
charset="iso-8859-1"
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anyone have an idea where to get the felt feet for my Elmac AF-67?
lots of work to do here....

thanks
KI6UP

Jim

-----=_NextPart_000_0005_01BD52CD.7DE86F00

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have an idea where to get the felt feet for my Elmac =
AF-67?</DIV>
<DIV><FONT color=3D#000000 face=3DArial =
size=3D2>lots of=20
work to do here....</DIV>
<DIV><FONT color=3D#000000 face=3DArial=20
size=3D2>thanks</DIV>
<DIV><FONT color=3D#000000 face=3DArial=20
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size=3D2> </DIV>
<DIV><FONT color=3D#000000 face=3DArial=20
size=3D2>Jim</DIV></BODY></HTML>

-----=_NextPart_000_0005_01BD52CD.7DE86F00--

Date: Wed, 18 Mar 1998 22:36:58 -0800
From: "Arden Allen" <gumbear@pacbell.net>
To: "Old Tube Radios" <boatanchors@theporch.com>, <gds@digitalexp.com>
Subject: Re: little bitty feet
Message-ID: <199803190635.WAA26461@mail-gw2.pacbell.net>

Foot loose.....?

> anyone have an idea where to get the felt feet for my Elmac AF-67?
> lots of work to do here....thanks

I've seen self adhesive green felt feet at the hardware/home improvement stores in the section where they have bumbers, coasters and rubber feet for metal tube furniture and what-have-you.

You could go to a yardage store and buy a hunk of felt and roll your own. You'll get better material there. Good luck

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Date: Thu, 19 Mar 1998 00:59:44 +0000
From: "Steve" <scb@mail.internettport.net>
To: Al Klase <skywaves@bw.webex.net>
Cc: boatanchors@theporch.com
Subject: Re:Headphones
Message-ID: <199803190712.BAA13939@loki.internettport.net>

To me, the Baldwin type C is the ultimate Hi Z 'phone. I grew up 20 blocks down the road from where these things were made on 23rd east in Salt Lake. Raided the derelict factory as a schoolkid in the early '60s(last used as a beauty school???) and cleaned all the Baldwin junk out of the basement to use as trade items with W6MEA for parts to complete a dump rescued AK 10 breadboard. Who would have believed that there were still driver parts and horn speaker bells, all covered in cobwebs and dust! Some time later spent an afternoon visiting with one of the men who made the C. Still have the AK 10. Wish I'd kept the Baldys and the Radiodyne crystal set I acquired elsewhere about the same time. Ragards; Steve Bringhurst

Date: Thu, 19 Mar 1998 03:45:41 -0600 (CST)
From: Don Reaves <dr@cei.net>
To: "BoatAnchor's List" <boatanchors@sco.theporch.com>
Subject: FS: EFJ Viking Challenger
Message-ID: <Pine.LNX.3.91.980319033625.1308A-100000@kc5jh.reaves.net>

Viking Challenger transmitter, Model 240-182, SN 43526. Nearly complete, dirty, slight surface corrosion on some internal metal pieces, no mods, no holes, no major paint problems. Original line cord and fused plug. Original knobs and meter. The only problem I can find with this unit is that someone unsoldered the leads to the AC switch and hard wired the unit on, bypassing the switch, reason unknown. Usual small paint scrapes on cabinet. Missing all cover screws except for two in the front panel. No

manual. \$100 shipped CONUS. I sold my other one, lesser condition, for \$75 at a local swapfest.

I'll wait a few days for responses to give everyone a shot.

Don Reaves
46 Arbor Oaks Drive
N. Little Rock AR 72120
dr@cei.net

WA5BBS
AMI 1027 CCA 378
ARRL Life Member
R-390 list manager

Date: Thu, 19 Mar 1998 10:23:00 +0100
From: "Ragnar Otterstad" <otterstad@inet.uni2.dk>
To: <billross@txdirect.net>, "Old Tube Radios" <boatanchors@theporch.com>
Subject: Re: Hertz
Message-ID: <199803190947.KAA26974@inet.uni2.dk>

> I had just returned from Korea in 1964 and operated until July 1965 at
> Ft. Dix, NJ. All frequency references were in Kilo - Mega cycles. Then
> I left for Vietnam. When I finally got back on the air from Tokyo in
> late 1967, all references to Frequency in ham publications were in
> --Hertz. Very disorienting.

Not at all, you are just not used to it !

The world is becoming smaller and insular attitudes are not good.

I read in Wall Street Journal some time ago when I was over there, that the only countries left not being metric are : USA, Burma and Brunei !

I for one have a hard time with the Fahrenheit/miles/feet when I am in USA. It is very disorienting !

73 Rag OZ8RO

> I was told that this change was made to align the US with the rest
> of the world and initiate a term that meant the more completely correct
> "cycles per second" which most people had dropped from common usage. I
> eventually decided it was just another example of the Democrats zeal at
> regulating another thing that they knew nothing about.

>
> Bill Ross K5LLK
>

Date: Thu, 19 Mar 1998 04:06:47 -0600 (CST)
From: Don Reaves <dr@cei.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: FS: EFJ Viking Challenger (addendum)
Message-ID: <Pine.LNX.3.91.980319035021.1377A-100000@kc5jh.reaves.net>

I reported no serious paint problems, but with my bifocals on I can see a few scratches on the front panel, just above the driver control. May require touch up paint. An advantage of aging eyesight is you can't see all the equipment cosmetic flaws when it's sitting up on your operating shelf. And that is exactly the disadvantage when trying to describe the condition accurately to someone else, in order to fairly portray the equipment!

Don

Date: Thu, 19 Mar 1998 08:47:26 -0500
From: jkh@lexis-nexis.com (John Heck)
To: boatanchors@theporch.com
Subject: Adaptor Problem
Message-ID: <199803191347.IAA24878@psc7128.lexis-nexis.com>

Deane McEntyre has an excellent solution that works FB. You can push the pin out of an UHF male to BNC female adaptor. There is a small plastic piece, that surrounds the BNC part, that also comes out. The pin is aluminum, and the BNC part is **extremely** fragile and will stand no amount of rough handling. If you shorten the UHF pin by about 3/8" and re-assemble the adaptor, you will find that it screws onto the mike connector, as the threads are the same, and the shortened pin makes good contact with the solder dot on the mike part. It is solid and works just fine. Thanks Deane!

Regards,
John Heck, KC8ETS
1009 Donson Drive
Dayton, Ohio 45429
(937)865-7036(work)

jkh@lexis-nexis.com

Date: Thu, 19 Mar 1998 09:11:22 -0500
From: John Dilks <oldradio@worldnet.att.net>
To: gds@digitalexp.com
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: little bitty feet
Message-ID: <3511278A.4286@worldnet.att.net>

Reynolds, Jim wrote:

>
> anyone have an idea where to get the felt feet for my Elmac AF-67?
> lots of work to do here....
> thanks

Jim,

Felt feet are available in most wood-working (type) stores and catalogs. Wood projects use felt feet.

Another is to go to a Fabric store. You can buy fabric and make your own -- just add a little contact cement.

Still another source is Antique Electronic Supply.

73' John Dilks, K2TQN

Webmaster for the Antique Wireless Association
<http://www.ggw.org/awa> Click on "Page 2"

--and--

for the New Jersey Antique Radio Club
<http://www.eht.com/oldradio>

-----please-visit-----

Date: Thu, 19 Mar 1998 09:20:46 -0500
From: John Dilks <oldradio@worldnet.att.net>
To: dr@cei.net
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: FS: EFJ Viking Challenger (addendum)
Message-ID: <351129BE.14BF@worldnet.att.net>

Don Reaves wrote:

>
> I reported no serious paint problems, but with my bifocals on I can see a
> a few scratches on the front panel, just above the driver control. May
> require touch up paint. An advantage of aging eyesight is you can't see
> all the equipment cosmetic flaws when it's sitting up on your operating
> shelf. And that is exactly the disadvantage when trying to describe
> the condition accurately to someone else, in order to fairly portray the
> equipment!

Don,

You only need to explain if it goes to one o' 'dem young wipper-snappers
with 20/20 vision. Otherwise it probably wouldn't be noticed anyway.
:-) Welcome to middle+ age!

73' John Dilks, K2TQN

Webmaster for the Antique Wireless Association

<http://www.ggw.org/awa> Click on "Page 2"

--and--

for the New Jersey Antique Radio Club

<http://www.eht.com/oldradio>

-----please-visit-----

Date: Thu, 19 Mar 1998 09:25:29 -0500
From: John Dilks <oldradio@worldnet.att.net>
To: otterstad@inet.uni2.dk
Cc: boatanchors@theporch.com
Subject: Re: Hertz
Message-ID: <35112AD9.4B2C@worldnet.att.net>

Ragnar Otterstad wrote:

>
> ---snip---
>
> I for one have a hard time with the Fahrenheit/miles/feet when I am in USA.
> It is very disorienting !
>
> 73 Rag OZ8RO
> ----

Rag,

It's a trick! When you come over, you need a guide.
If we converted, just think how many guides would have
to look for another line of work.

73' John Dilks, K2TQN

Webmaster for the Antique Wireless Association
<http://www.ggw.org/awa> Click on "Page 2"

--and=

for the New Jersey Antique Radio Club
<http://www.eht.com/oldradio>

-----please-visit-----

End of BOATANCHORS Digest 1975

>From ???@??? Fri Mar 20 02:39:06 1998
Message-Id: <199803192147.PAA27641@sco.theporch.com>
Date: Thu, 19 Mar 1998 15:47:24 CST
Subject: BOATANCHORS digest 1976

BOATANCHORS Digest 1976

Topics covered in this issue include:

- 1) Re: Hertz
by "A. B. Bonds" <ab@vuse.vanderbilt.edu>
- 2) Re: Hertz
by Ken Gordon <keng@uidaho.edu>
- 3) Re: Hertz
by afpgreg@state.me.us (Paul V. Gregory)
- 4) Re: FS: EFJ Viking Challenger (addendum)
by "P. J. Rovero" <provero@connix.com>
- 5) Re: Aluminum TCS cases
by William Donzelli <william@ans.net>
- 6) Re: Hertz hurts
by Jerry Proc <jproc@idirect.com>
- 7) Re: Hertz
by "Owens, Clarence" <owensc@nebeng.otis.com>
- 8) Re: Hertz never hurts
by "Ragnar Otterstad" <otterstad@inet.uni2.dk>
- 9) Re: Hertz
by "Mike Feher" <n4fs@monmouth.com>
- 10) Re: Hertz

by Bob Roehrig <broehrig@admin.aurora.edu>
11) Re: Hertz
by "Deane D McIntyre" <dmcintyr@acs6.ACS.UCALGARY.CA>
12) C. P. Steinmetz
by "A. B. Bonds" <ab@vuse.vanderbilt.edu>
13) Re: Hertz
by Ken Gordon <keng@uidaho.edu>
14) A lark
by GIBSON@ASTRA.LBL.GOV
15) Hertz
by berg stephen erik <z931086@corn.cso.niu.edu>
16) Re: Hertz
by WILLIAM HAWKINS <bill@iaxs.net>
17) Books for postage (well almost anyway)
by "Lawrence R. Ware" <lrware@pipeline.com>
18) Re: Hertz, Steinmetz, and Tesla
by Richard Loken <richardlo@devax.admin.athabascau.ca>
19) Re: Best Hammarlund?
by Ho4bart <Ho4bart@aol.com>
20) [Fwd: Hammarlund and Dial Envy]
by Scott Robinson <spr@earthlink.net>
21) SX-111 needle nightmare
by gds@digitalexp.com (Reynolds, Jim)
22) Re: Hertz hurts
by "Scott Alfter" <salfter@ibm.net>
23) Re: Hertz
by Sandy W5TVW <ebjr@worldnet.att.net>
24) RE: Tube specs
by Mark Richardson <Mark.Richardson@cisco.com>
25) SX-28A Hum
by Al Klase <skywaves@bw.webex.net>
26) Heathkit Svc Bulletin - File attachments
by joelutz@juno.com (Joseph W Lutz)
27) Confusion
by "Rhett T. George" <rtg@ee.duke.edu>
28) Re: [Fwd: Hammarlund and Dial Envy]
by Morris Odell <morriso@vifp.monash.edu.au>
29) Re: [Fwd: Hammarlund and Dial Envy]
by "A. B. Bonds" <ab@vuse.vanderbilt.edu>

Date: 19 Mar 1998 08:48:31 -0600
From: "A. B. Bonds" <ab@vuse.vanderbilt.edu>
To: boatanchors@sco.theporch.com
Subject: Re: Hertz
Message-ID: <1998Mar19.084833-0600@spike.vuse.vanderbilt.edu>

In <Pine.GS0.3.95q.980318163101.19366B-100000@uhunix5>, Jeffrey Herman wrote:
>Gad, it was (I believe) 1962 - my new issue of Popular Electronics
>had just arrived, and I was leaving for grade school - I had only
>enough time to glance at the cover - something about CPS now being
>called Hertz. (Wonder why particular things like that remain in one's
>memory?)

>

I was terribly disappointed that they chose to use the name of another
Dead German Scientist for frequency. I felt that it should be named
for the Wizard of Schenectady, that Tower of Power, Charles Proteus
Steinmetz.

Think about it....

73

A. B. Bonds

Date: Thu, 19 Mar 1998 07:14:45 -0800 (PST)
From: Ken Gordon <keng@uidaho.edu>
To: "A. B. Bonds" <ab@vuse.vanderbilt.edu>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Hertz
Message-ID: <Pine.BSF.3.95.980319071410.28954C-100000@piobaire.mines.uidaho.edu>

> I was terribly disappointed that they chose to use the name of another
> Dead German Scientist for frequency. I felt that it should be named
> for the Wizard of Schenectady, that Tower of Power, Charles Proteus
> Steinmetz.

Nah...should have been named the Tesla...

Ken W7EKB

Date: Thu, 19 Mar 1998 10:20:21 -0500 (EST)
From: afpgreg@state.me.us (Paul V. Gregory)
To: boatanchors@theporch.com
Subject: Re: Hertz
Message-ID: <199803191520.KAA27151@gatekeeper.ddp.state.me.us>

"Let's QSY up five Steinmetz." --It's gotta certain je ne sais quai

Date: Thu, 19 Mar 1998 10:24:03 -0500 (EST)
From: "P. J. Rovero" <provero@connix.com>
To: John Dilks <oldradio@worldnet.att.net>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: FS: EFJ Viking Challenger (addendum)
Message-ID: <Pine.BSI.3.95.980319102208.20248A-100000@comet.connix.com>

Heck, even with 20/20 corrected, how ya gonna see
that kind of stuff in a dimly lit basement radio room...

I mean, how can you see the tubes glowing in a brightly
lit room, anyway.

P. J. "Josh" Rovero	email: provero@connix.com
Oceanographer	work: rovero@sonalysts.com
Meteorologist	radio: KK1D
Curmudgeon at Large	web: http://www.connix.com/~provero/

On Thu, 19 Mar 1998, John Dilks wrote:

> You only need to explain if it goes to one o' 'dem young wipper-snappers
> with 20/20 vision. Otherwise it probably wouldn't be noticed anyway.
> :-) Welcome to middle+ age!
>

Date: Thu, 19 Mar 1998 10:26:54 -0500 (EST)
From: William Donzelli <william@ans.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Aluminum TCS cases
Message-ID: <Pine.GS0.3.96.980319102610.9335A-100000@titan.purch.ans.net>

> ---i don't recall that any of these other radios were provided with
> aluminum cabinets.

I am pretty sure the AN/SRT-14/15/16s were available in aluminum cabinets.

William Donzelli
william@ans.net

Date: Thu, 19 Mar 1998 10:33:26 -0800

From: Jerry Proc <jproc@idirect.com>
To: Brian.Harris@sv.sc.philips.com
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Hertz hurts
Message-ID: <351164F6.ACD@idirect.com>

Brian Harris wrote:

>

> Perhaps we should consider reverting to the way it was.

That's exactly what I did in my radio research paper.

In the very early stages, I had sub-consciously used the term Hertz (and its variants) when describing the frequency ranges of vintage equipment. At first, I couldn't see it at all. Later, when proof reading the text, something didn't look right but I couldn't put my finger on it. That just goes to show that I had been converted to the new term beyond 100%.

Then, one day, the light bulb came on. I realized it would be proper to use the 'frequency units' term in reference to equipment manufactured prior to the late-60's and the Hertz term for any later references. That made a lot more sense and I noted this at the beginning of the document so that everyone knew where I was coming from. In the process, I suddenly realized that I forgot the correct syntaxes. Was it Kcs, Kc, kcs or k/cs? After referencing many books, I discovered there was no consistency, so I adopted Mcs and Kcs and applied it uniformly.

For common useage, we should continue to use the term Hertz otherwise, those people born in the 1960's and thereafter may not understand what we are talking about :-)

To this day, I often see the term Hertz incorrectly abbreviated as 'hz' instead of 'Hz'.

Since the unit is named after a person, the abbreviation should be properly capitalized as Hz.

--

Regards,
Jerry Proc VE3FAB
jproc@idirect.com
HMCS HAIDA Naval Museum, Toronto Ont.

Date: Thu, 19 Mar 1998 10:39:00 -0500
From: "Owens, Clarence" <owensc@nebeng.otis.com>

To: Boatanchors Post <boatanchors@theporch.com>
Subject: Re: Hertz
Message-ID: <0EQ20NGMA006H0@mailman.otis.com>

Hi All,

I can distinctly remember reading in my early 1930 QST's that there was a new standard in Europe setting up Hertz as the "name" for cycles/sec. We just ignored it for 30 years.

Also, regarding the units conversion issue brought up by Rag, there are only 4 temperatures in "C" that most people need to know, and they're easy to remember:

"30's Hot, 20's Pleasing, 10 is Not and Zero's Freezing."

Yours tongue-in-cheekly,

Clare Owens N2RJB
owensc@nebeng.otis.com

Date: Thu, 19 Mar 1998 16:49:02 +0100
From: "Ragnar Otterstad" <otterstad@inet.uni2.dk>
To: <jproc@idirect.com>, "Old Tube Radios" <boatanchors@theporch.com>
Subject: Re: Hertz never hurts
Message-ID: <199803191539.QAA06389@inet.uni2.dk>

> For common useage, we should continue to use the term Hertz otherwise,
> those people born in the 1960's and thereafter may not understand what
we are talking
> about :-(To this day, I often see the term Hertz incorrectly
abbreviated as 'hz'
> instead of 'Hz'.
> Since the unit is named after a person, the abbreviation should be
> properly capitalized as Hz.

YES, same as for Ampere, Volt etc

73 Rag OZ8R0

> Regards,
> Jerry Proc VE3FAB
> jproc@idirect.com
> HMCS HAIDA Naval Museum, Toronto Ont.

Date: Thu, 19 Mar 1998 10:57:48 -0500
From: "Mike Feher" <n4fs@monmouth.com>
To: <ab@vuse.vanderbilt.edu>, "Old Tube Radios" <boatanchors@theporch.com>
Subject: Re: Hertz
Message-ID: <003f01bd534f\$caa86fc0\$4fa10b9e@mils179.monmouth.army.mil>

Isn't C. P. Steinmetz now also another Dead German Scientist?

Mike Feher, N4FS
89 Arnold Blvd.
Howell, NJ, 07731
732-901-9193

-----Original Message-----
From: A. B. Bonds <ab@vuse.vanderbilt.edu>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Thursday, March 19, 1998 9:50 AM
Subject: Re: Hertz

>In <Pine.GS0.3.95q.980318163101.19366B-100000@uhunix5>, Jeffrey Herman wrote:

>>Gad, it was (I believe) 1962 - my new issue of Popular Electronics
>>had just arrived, and I was leaving for grade school - I had only
>>enough time to glance at the cover - something about CPS now being
>>called Hertz. (Wonder why particular things like that remain in one's
>>memory?)

>>
>I was terribly disappointed that they chose to use the name of another
>Dead German Scientist for frequency. I felt that it should be named
>for the Wizard of Schenectady, that Tower of Power, Charles Proteus
>Steinmetz.

>
>Think about it....
> 73 A. B. Bonds
>
>

Date: Thu, 19 Mar 1998 09:58:12 -0600 (CST)

From: Bob Roehrig <broehrig@admin.aurora.edu>
To: "Paul V. Gregory" <afpgreg@state.me.us>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Hertz
Message-ID: <Pine.ULT.3.96.980319095758.4156C-100000@admin.aurora.edu>

On Thu, 19 Mar 1998, Paul V. Gregory wrote:

> "Let's QSY up five Steinmetz." --It's gotta certain je ne sais quai

Yeah - a lot more class!

"Nostalgia is a thing of the past"
E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL
630-844-4898 Fax 630-844-5530

Date: Thu, 19 Mar 98 09:15:55 -0700
From: "Deane D McIntyre" <dmcintyr@acs6.ACS.UCALGARY.CA>
To: boatanchors@theporch.com
Subject: Re: Hertz
Message-ID: <9803191615.ZZ549773@acs6.acs.ucalgary.ca>

In message <Pine.BSF.3.95.980319071410.28954C-100000@piobaire.mines.uidaho.edu>
writes:

>
> > I was terribly disappointed that they chose to use the name of another
> > Dead German Scientist for frequency. I felt that it should be named
> > for the Wizard of Schenectady, that Tower of Power, Charles Proteus
> > Steinmetz.

>
> Nah...should have been named the Tesla...

>
Good idea...only problem is that Tesla is the unit of magnetic field
strength (replaced the Gauss, 10 000 Gauss = 1 Tesla)

Perhaps the Armstrong? As long as it is not the DeForest or the Sarnoff....

73, Deane D McIntyre VE6BP0
dmcintyr@acs.ucalgary.

Date: 19 Mar 1998 10:35:55 -0600
From: "A. B. Bonds" <ab@vuse.vanderbilt.edu>
To: boatanchors@sco.theporch.com
Subject: C. P. Steinmetz
Message-ID: <1998Mar19.103557-0600@spike.vuse.vanderbilt.edu>

He was born in Germany, but struggled to leave and was otherwise very American, so he qualifies as a Dead American Scientist.

I really hate to do this, not clear that the point was made:

Whadday gonna call the unit for frequency, the Steinmetz? Doesn't roll trippingly off the tongue. I'd use his initials instead....

sorry A. B.

Date: Thu, 19 Mar 1998 09:01:13 -0800 (PST)
From: Ken Gordon <keng@uidaho.edu>
To: Deane D McIntyre <dmcintyr@acs6.ACS.UCALGARY.CA>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Hertz
Message-ID: <Pine.BSF.3.95.980319090023.1653C-1000000@piobaire.mines.uidaho.edu>

> > > I was terribly disappointed that they chose to use the name of another
> > > Dead German Scientist for frequency. I felt that it should be named
> > > for the Wizard of Schenectady, that Tower of Power, Charles Proteus
> > > Steinmetz.
> >
> > Nah...should have been named the Tesla...
> >
> Good idea...only problem is that Tesla is the unit of magnetic field
> strength (replaced the Gauss, 10 000 Gauss = 1 Tesla)

I know that. I was trying to make a point. It is my understanding that Steinmetz stole many of Tesla's ideas.

Date: Thu, 19 Mar 1998 9:01:10 -0800
From: GIBSON@ASTRA.LBL.GOV
To: boatanchors@theporch.com
Subject: A lark
Message-ID: <980319090110.27e01229@ASTRA.LBL.GOV>

I have several British BA's in my collection and thought it would be a lark if I were to take a video recorder to England and record several tapes there off an antenna and wideband amp. I would tell my friends that being a British receiver it only receives stations in England. Their faces would be something as they tuned the bands not knowing that the sigs came from the recorder/player!

OK does anyone know of a simple conversion article to make say a Radio Shack TV recorder/player into a video recorder to about 4mcs?

John.

Date: Thu, 19 Mar 1998 11:10:08 -0600 (CST)
From: berg stephen erik <z931086@corn.cso.niu.edu>
To: boatanchors <boatanchors@theporch.com>
Subject: Hertz
Message-ID: <Pine.3.89.9803191155.A28027-01000000@corn.cso.niu.edu>

I am one of those who prefers diversity in measurement units, rather than boring uniformity. When I worked in millimeter wave electronics, we measured everything we did in mils, or one thousandths of an inch. (I was the keeper of the K-Band sweeper using a bwo tube [BA tie in, and it was a heavy one too]) I asked our Hungarian born mechanical engineer why this was so. I thought that he would have preferred the metric system. He told me that for what we did, nothing was so convenient to use as mils. The metric system did not have a comparable unit of measurement. I was not inclined to argue as he was a survivor of the Russian Front during the Second World War, and was one tough fellow. I prefer the use of cycles for frequency since it is uniquely descriptive of what is going on. Volts, and Amperes are fine for what they do. Cycles are a better way to express frequency.

Steve WA9JML

Date: Thu, 19 Mar 1998 11:24:56 -0600 (CST)
From: WILLIAM HAWKINS <bill@iaxs.net>
To: boatanchors@theporch.com, z931086@corn.cso.niu.edu
Subject: Re: Hertz
Message-ID: <199803191724.LAA28071@citrus.iaxs.net>

Good story, Steve. I think Hertz is OK for radiated frequency, but power line frequency is cps (or CPS, A.B.). Did anyone come up with a name for

pulses per second? The frequency of Class C amps could be described as pps, if not cps - although Mp doesn't satisfy like Mc.

Regards,
Bill Hawkins

Date: Thu, 19 Mar 1998 13:02:24 +0000
From: "Lawrence R. Ware" <lrware@pipeline.com>
To: boatanchors@sco.theporch.com
Subject: Books for postage (well almost anyway)
Message-ID: <3.0.5.32.19980319130224.00818220@pop.pipeline.com>

Good afternoon firebottle fans,
Two interesting old books ended up following me home from a yard sale the other day.

One copy of: Radio Operator's License Q & A Manual" revised 7th edition from Rider, 1967 I think. For those of you who remember, this used to be one of the study guides used for the commercial radio telephone FCC licenses. 568 pages, hardback.

One copy of: Basic Electronics, a 1965 textbook for 1st year electronics students. 580 pages, hardback.

Anyway, I gave the nice lady \$1.50 each for them, thinking someone among my BA list friends would want them. Both are in good condition for being quite old.

They are available to whoever wants them for the \$1.50 each + book rate postage....

Rules of Ware apply.

-Larry Ware
lrware@pipeline.com
Orlando, Florida

Date: Thu, 19 Mar 1998 10:50:54 -0700 (MST)
From: Richard Loken <richardlo@devax.admin.athabascau.ca>
To: "A. B. Bonds" <ab@vuse.vanderbilt.edu>
Cc: Old Tube Radios <boatanchors@theporch.com>,
~richardlo@devax.admin.athabascau.ca
Subject: Re: Hertz, Steinmetz, and Tesla

Message-ID:

<Pine.PMDF.3.95.980319102034.541093059A-1000000@devax.admin.athabascau.ca>

On Thu, 19 Mar 1998, A. B. Bonds wrote:

> In <Pine.GS0.3.95q.980318163101.19366B-1000000@uhunix5>, Jeffrey Herman wrote:
> >Gad, it was (I believe) 1962 - my new issue of Popular Electronics

Had to be at least 1964 since I didn't read PE in 62.

> I was terribly disappointed that they chose to use the name of another
> Dead German Scientist for frequency. I felt that it should be named
> for the Wizard of Schenectady, that Tower of Power, Charles Proteus
> Steinmetz.

I like the middle name best, "I'll meet you on 3.756 MegaProteus."

And on that note, on the CBC this AM they announced that a play about Tesla is being put on in Edmonton, AB for the next couple weeks. Said nobody had heard of him and mentioned alternating current. I harrrrphed, unknown indeed!

Should have been a play about Fessenden (local hero and all) who nobody has heard of either. Fessenden once applied for a position as Professor of Physics at McGill University and he was passed over for somebody nobody has heard of since. George Westinghouse was glad and got Reg a position at Purdue, George liked to have Reg nearby at all times...

Richard Loken VE6BSV, Systems Programmer - VMS
Athabasca University
Athabasca, Alberta Canada
** richardlo@admin.athabascau.ca **

Date: Thu, 19 Mar 1998 12:51:03 EST
From: Ho4bart <Ho4bart@aol.com>
To: boatanchors@theporch.com
Subject: Re: Best Hammarlund?
Message-ID: <f8b88bae.35115b09@aol.com>

In a message dated 98-03-19 01:14:02 EST,
vancleef@netcom.com writes:

> Yes, with 7-pin tubes and miniature IF's, one
> could package a nice small receiver with tons of performance that
> could have sold in the mid-price range.

---the first part of this description almost sounds like the Morrow MBR-6.
(but with the small size, there's no provision for cw selectivity, "single
signal".)

>But was small packaging clearly the way to go in 1956?
>Not that I remember. Sure, there's
>a lot of air in a radio that is as big (physically) as an RME-69 that
>was build in the late fifties. But there was a market for that, too.

---that market might have thinned out a bit as the 1960s proceeded.
i didn't mention this, because i wasn't sure the exact production
period of the HQ-180, and if this particular one had been setting
around unsold forever, and also i didn't want to drag s/s into this,
but at the time the last HQ-180 was there at ARS store, there
was also a Drake SPR-4 to compare it to. how about that for a
contrast of design thinking?

Hallicrafters: at least they experimented with other cabinet designs
and tuning systems. didn't they have the sx-101 and sx-111 in the
same time frame, against the "big HQ's" ? and these weren't just
more 2-dialers. or re-used 2-dialer cabinets, as with the HQ-110,
170.

hue

Date: Thu, 19 Mar 1998 10:06:36 -0800
From: Scott Robinson <spr@earthlink.net>
To: boatanchors@theporch.com
Subject: [Fwd: Hammarlund and Dial Envy]
Message-ID: <35115EAC.4CEA47F@earthlink.net>

This is a multi-part message in MIME format.

-----131FEA6E5EBCEB9F191C1433

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

...and then there are the GE "Colorama" tuning indicators, which
used a saturable inductor and series/parallel combination of
light bulbs with color filters to make the dial lights fade from
red to green as a station was tuned in. I want one of these,
just haven't found it yet...and the darned inductors go open
frequently.

--

Scott Robinson
spr@earthlink.net

Junque is GOOD for you!

-----131FEA6E5EBCEB9F191C1433

Content-Type: message/rfc822
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Received: from vuse.vanderbilt.edu (root@mailhost.vuse.vanderbilt.edu
[129.59.100.1])
by belize.it.earthlink.net (8.8.7/8.8.5) with ESMTP id GAA14871
for <spr@earthlink.net>; Thu, 19 Mar 1998 06:44:50 -0800 (PST)
Received: from spike.vuse.vanderbilt.edu (spike [129.59.101.95])
by vuse.vanderbilt.edu (8.8.8/SMI-4.1/VUSE-1.29) with SMTP id IAA20597
for <spr@earthlink.net>; Thu, 19 Mar 1998 08:44:48 -0600 (CST)

To: spr@earthlink.net
From: "A. B. Bonds" <ab@vuse.vanderbilt.edu>
Sender: ab@vuse.vanderbilt.edu
Subject: Re: Hammarlund and Dial Envy
X-Originating-Host: spike.vuse.vanderbilt.edu
In-Reply-To: <35106381.731F5F2E@earthlink.net>
Message-Id: <1998Mar19.084505-0600@spike.vuse.vanderbilt.edu>
Date: 19 Mar 1998 08:45:03 -0600
MIME-Version: 1.0
X-Mailer: BWMail for Windows Version 3.2

In <35106381.731F5F2E@earthlink.net>, Scott Robinson wrote:

>A. B. Bonds wrote:

>

> " To top this off, each band is individually backlit according
>to the

>position of the bandswitch. Zowie, Captain Midnight!"

>

>Well, my 1937 Zenith 12 tube 12U159 console does the same and
>each band is a different color to boot! I do like that
>feature...and the bulls-eye tuning meter (not eye tube).

>

>It may be wood but lifting it leaves no doubt that it's a BA.

Aah, but does it have color-mixing tone dials like my 1946 Stromberg
Carlson? The bass goes from deep blue to light green, the treble goes
from yellow to deep red, and there is a section where they
overlap--choose your color!

Ya gotta love this stuff.

73 A. B.

-----131FEA6E5EBCEB9F191C1433--

Date: Thu, 19 Mar 1998 12:26:54 -0600
From: gds@digitalexp.com (Reynolds, Jim)
To: "hellicrafters post mail" <hallicrafters@qth.net>
Cc: "Boat Anchors" <BOATANCHORS@theporch.com>
Subject: SX-111 needle nightmare
Message-ID: <19980319183602288.AAA193@gds>

I have an sx-111 receiver and besides other restoration problems, this needle thing really has me baffled.
I can be listening to a known frequency and the needle reads 20 KC's below the actual freq.. The pointer reset will not compensate for that great a difference between actual and indicated freq..
How do I re-position the needle? I can find no mention of this in the manual. And eye balling the needle movement system gave me no clues either? I sure want a Johnson tube controlled antenna relay too if ya have one needing a home.
thanks
JIM
KI6UP

Date: Thu, 19 Mar 1998 11:10:11 -0800
From: "Scott Alfter" <salfter@ibm.net>
To: <jproc@idirect.com>, "Old Tube Radios" <boatanchors@theporch.com>
Subject: Re: Hertz hurts
Message-ID: <003e01bd536a\$b5d7cee0\$c9cc48a6@internet.usinet.salfter>

Jerry Proc <jproc@idirect.com> wrote:
>To this day, I often see the term Hertz incorrectly abbreviated as 'hz'
>instead of 'Hz'.
>Since the unit is named after a person, the abbreviation should be
>properly capitalized as Hz.

The way it was explained to me in various science classes was that only the three fundamental units of measurement--the meter, the gram, and the second--have all-lowercase abbreviations. Others start in uppercase to indicate that they're derived units. (Hz=s⁻¹, for instance. Another example: L=dm³.)

Scott Alfter (salfter@ibm.net)

Date: Thu, 19 Mar 1998 19:36:57 +0000
From: Sandy W5TVW <ebjr@worldnet.att.net>
To: dmcintyr@acs6.ACS.UCALGARY.CA, boatanchors@theporch.com
Subject: Re: Hertz
Message-ID: <19980319193655.AAA6248@LOCALNAME>

At 09:15 AM 3/19/98 -0700, you wrote:

>
>Perhaps the Armstrong? As long as it is not the DeForest or the Sarnoff....
>
>73, Deane D McIntyre VE6BP0
>dmcintyr@acs.ucalgary.
>
>

Ah ha. Another "Empire of the Air" fan! From everything I've been able to read, Lee DeForest had a terribly inflated ego! Like Edison, he stumbled onto many things. I always looked at Armstrong as being a lot like Marconi, in that he tried to make practical application of his ideas and the ideas of others, but never trying to "steal" someone else's as DeForest seemed to do! He *DID* indeed invent the triode, even though he didn't *really* know how it worked.

David Sarnoff's story is completely different. He did bring himself from a *nothing* Russian-Jewish immigrant to Czar of the greatest radio empire we have ever seen or probably will ever see! It's a pity that "RCA" doesn't live on! They *did* make some damned good stuff. NBC is still here though. I remember when Sarnoff died and RMCA (Radiomarine Corp. of America) went downhill rapidly and ceased to exist.

The company I worked for: Mackay Communications (ex-ITT Mackay, with lineage to Federal Radio, Globe Wireless, etc.) is a tiny shadow of itself now. For all practical purposes we have no American radio companies now. I wonder what happened to the Marconi complex in Chelmsford, Essex England? (I worked for a US division of GEC-Marconi for a number of years) Chelmsford was the home of Marconi International Marine Co., Ltd (ex-Marconi's Wireless Telegraph Co., Ltd. the outfit Marconi founded.), Marconi Radar, and GEC and English Electric Valves Ltd. I had the pleasure of visiting Chelmsford for a school at Marconi's plant in Westway St. Unfortunately, the Marconi museum was closed when we got out of class, and on weekends! So close, yet so far away!

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"
417 Ridgewood Drive
Metairie, LA., 70001

860 Hartley 'ECO' construction "on hold"**
*** Looking for a TRC-10 transceiver *****
*** Looking for an RAL receiver *****

Date: Thu, 19 Mar 1998 12:43:30 -0700
From: Mark Richardson <Mark.Richardson@cisco.com>
To: boatanchors@sco.theporch.com
Subject: RE: Tube specs
Message-ID: <2.2.32.19980319194330.006b4d50@lint.cisco.com>

I have a Amperex 5924/A tube that I am looking for specs on,
operating characteristics, curves, etc. Not listed in any of my tube
manuals. Approx 6in dia, 8in tall, external anode, approx 10 lbs.
Anyone know where it might be found?

Mark
W7HPW
||
.||.
.||||.
.:|||||:..:|||||:..
c i s c o S y s t e m s

Mark Richardson
Systems Engineer
4001 South 700 East
Suite 500
Salt Lake City, Utah 84107

Office 801 264 6777
Cellular 801 361 3097

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.:|||||:..:|||||:..
c i s c o S y s t e m s

Mark Richardson
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4001 South 700 East
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Cellular 801 361 3097

Date: Thu, 19 Mar 1998 15:06:29 -0500
From: Al Klase <skywaves@bw.webex.net>
To: Boatanchors <boatanchors@theporch.com>
Subject: SX-28A Hum
Message-ID: <35117AC4.D0537B29@bw.webex.net>

This is a follow up on my grouching of the other day:

The SX-28 has a "BASS IN/OUT" control that essentially lets you switch between hi-fi and communications quality audio response. The BASS-OUT position is especially useful when using narrow IF bandwidths for maximum intelligibility. In the BASS-OUT setting a parallel LC circuit (4 henries, .005 uF) is switched INTO the plate circuit of the first AF amp in place of the normal 100K plate-load resistor.

The problem is that the inductor, CH2, is fairly close to the audio-output transformer which gets its DC from the rectifier side of the main filter choke CH1. This DC has a fairly high ripple content that gets magnetically coupled to CH2. Thus in the BASS-OUT (inductor-in) setting there is a lot more hum than in the BASS-IN setting. I found this counterintuitive.

As I want to listen to this radio, in all its push-pull 6V6 glory, through a good speaker, and still use it for communication purposes, I decided some remedial action was in order. I've moved CH2 to the other end of the underside of chassis, and mounted it to the shield of the local oscillator compartment. Residual hum is now essentially identical in the BASS-IN and BASS-OUT settings.

Hope this was interesting,
Al

--

Al Klase - N3FRQ
skywaves@bw.webex.net
Flemington, NJ 08822
Web Page: <http://www.webex.net/~skywaves/home.htm>

Date: Thu, 19 Mar 1998 20:16:35 UTC
From: joelutz@juno.com (Joseph W Lutz)
To: HEATH@LISTSERV.TEMPE.GOV, heathkit@qth.net
Cc: boatanchors@theporch.com
Subject: Heathkit Svc Bulletin - File attachments
Message-ID: <19980319.201638.3310.0.JOELUTZ@juno.com>

Okay group,

I have started to send out the SB-104[A] attachment in WORD. However,

[or as they say in real commo - 'However "upper case N"]], I am sending the 104[A] file ONLY to those whom advised receipt of the HW-101 attachment. This is primarily to make sure everyone that wanted the file gets it, as I have received failure notices because of 'my goof in typing'. I have sent the HW-101 file out to amost 80 people with only 28 acknowledgements. While I am waiting for the responses, I will put the other files requested [SB-100, 101, 102, SB-230 and others]. Enjoy!

73 de Joe W7LPF/4 [NNN0KUJ]
QWCA - SOWP - NCVA - FISTS - RCC
Gordonsville, Va 22942 [Orange Co]

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Date: Thu, 19 Mar 1998 15:53:46 -0500
From: "Rhett T. George" <rtg@ee.duke.edu>
To: boatanchors@theporch.com
Subject: Confusion
Message-ID: <199803192053.PAA22268@dsil10.ee.duke.edu>

- Greetings -

The lively discussion over Hz vs cps has been good reading. A. B. made the wonderful suggestion of using Steinmetz to denote frequency, or, rather, his initials - CPS.

This sent me scurrying to old IEEE Proceedings, not to look for policy (which belongs in another discussion group), but for enlightenment. Here's a couple of items.

April, 1963 - Program on the Accuracy of Electrical Measurements, Table II. First data column - 30 kc to 300 kc, second - 300 kc to 10 Mc, third - 10 Mc to 100 Mc. Okay, a pattern for kilo and Mega.

January, 1965 - Standard Frequency and Time Notices, Section II. Excerpted.

- 1) Standard broadcasts from WWVB at 60.0 kHz
- 2) ... time pulses ... The pulses will be repeated at intervals of 60 kc/s of the 60 kHz carrier, ... once a second.

February, 1966 - Space Communication and Tracking System Frequency Stability.

Fig. 3 - The graph legend begins with - 5 MHz High Q Oscillator.

Fig. 4 - Output of the VCXO is 19.125 mc/s.

See how easily the confusion can be cleared. BTW, I am pleased to have enjoyed privileges of membership in IEEE as well as its predecessors, IRE and AIEE, for many moons.

Don't forget the wags back in the '60's who wanted to change radians/second to Avis.

73 Rhett - KE4HIH

Date: Fri, 20 Mar 1998 08:20:16 +1100
From: Morris Odell <morriso@vifp.monash.edu.au>
To: boatanchors@sco.theporch.com
Subject: Re: [Fwd: Hammarlund and Dial Envy]
Message-ID: <35118C10.3B9E@vifp.monash.edu.au>

Scott Robinson wrote:

>
> ...and then there are the GE "Colorama" tuning indicators, which
> used a saturable inductor and series/parallel combination of
> light bulbs with color filters to make the dial lights fade from
> red to green as a station was tuned in.

That's very impressive. I have a Philco entertainment console that uses an electromechanical magic eye. There is a solenoid coil in series with the B+ feed to AVC controlled stages. Inside the coil is a swinging magnetized vane that casts a shadow on a little screen under the rather elaborate push button rotating dial.

Inside it are the P-P Class B 6F6s and 14 inch speaker :-)

73 de Morris VK3DOC

Date: 19 Mar 1998 15:45:26 -0600
From: "A. B. Bonds" <ab@vuse.vanderbilt.edu>
To: boatanchors@sco.theporch.com
Subject: Re: [Fwd: Hammarlund and Dial Envy]
Message-ID: <1998Mar19.154527-0600@spike.vuse.vanderbilt.edu>

In <35118C10.3B9E@vifp.monash.edu.au>, Morris Odell wrote:

>Scott Robinson wrote:

>>

>> ...and then there are the GE "Colorama" tuning indicators, which
>> used a saturable inductor and series/parallel combination of
>> light bulbs with color filters to make the dial lights fade from
>> red to green as a station was tuned in.

>

>That's very impressive. I have a Philco entertainment console that uses
>an electromechanical magic eye. There is a solenoid coil in series with
>the B+ feed to AVC controlled stages. Inside the coil is a swinging
>magnetized vane that casts a shadow on a little screen under the rather
>elaborate push button rotating dial.

>

Which leads to....the issue of when S-meters were introduced.

My 1932 E. H. Scott rx has a small meter movement hidden behind the
tuning dial which also works by casting a shadow on the tuning area.
However, it is not calibrated, just useful for max/min indication.

My Hammarlund Comet Pro, which is contemporary, has no meter.
The SP-10 Super Pro (1935) is pictured in Moore as having a calibrated
meter. The first Halli meter in evidence is in the SX-16 of 1937.
The National HRO prototype of 1934 appears to have a tuning meter, but
this model may never have been sold. The production HRO has a meter,
but it's unclear when it went on sale (1934? 1935?)

I'm sure there is something I am missing....

73 A. B. Bonds

End of BOATANCHORS Digest 1976
